



Local Situation Report

Prepared: 7_6_2014 @1000

| Local | GACC | Nat'l |
|-------|------|-------|
| 1 | 1 | 2 |
| | | |

Today's Fire Danger
HIGH

INCIDENT SUMMARY for Yesterday

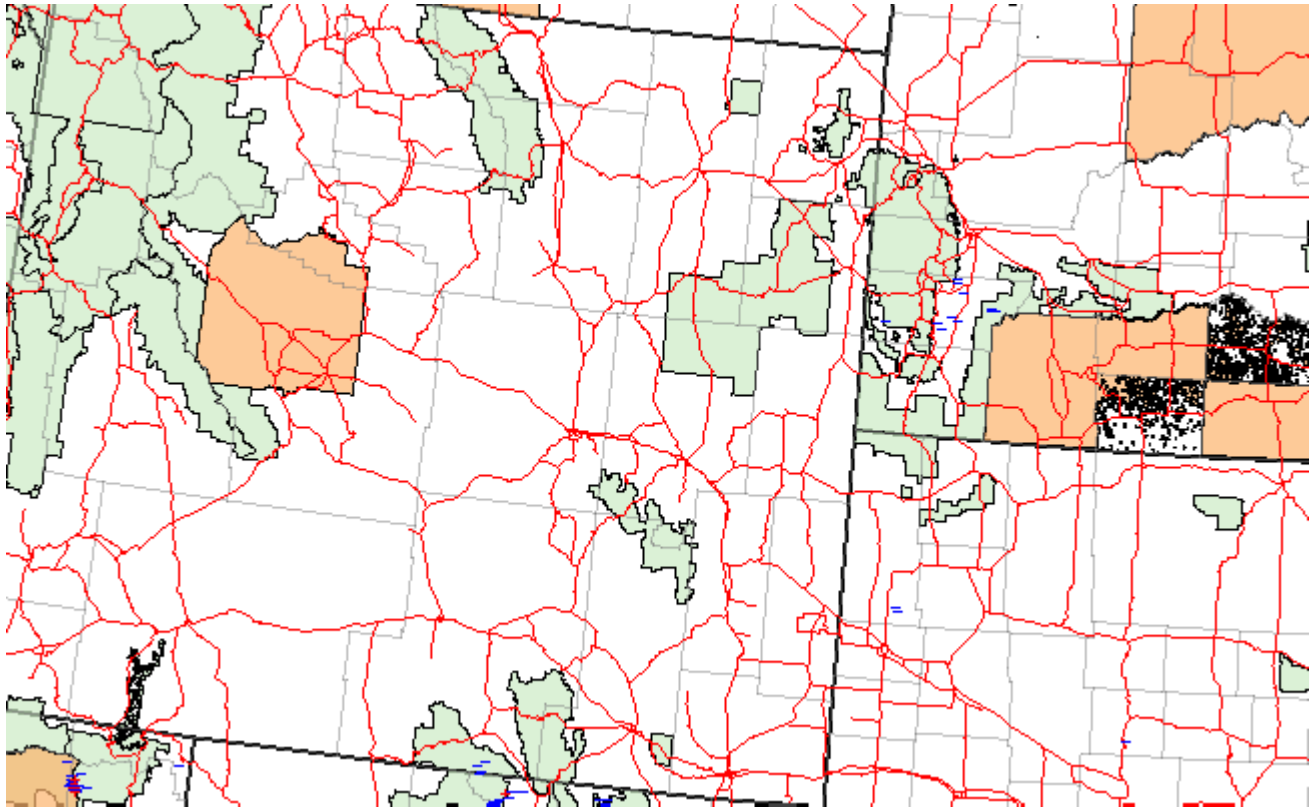
| COUNTY AND STATE FIRES | | | | | | |
|------------------------|-----------------|-------------|--------------|---------------|------------------|--|
| <u>Unit</u> | <u>Inc Name</u> | <u>Size</u> | <u>Cause</u> | <u>Status</u> | <u>Location</u> | <u>Remarks</u> |
| WY-WYS | MILE MARKER 40 | 0.5 | H | Controlled | T43N R68W Sec 36 | Off HWY 450 – Weston and Campbell County responded |
| | | | | | | |
| | | | | | | |

| MED BOW NATIONAL FOREST | | | | | | |
|-------------------------|-----------------|------------------------|--------------|---------------|-----------------|----------------|
| <u>Unit</u> | <u>Inc Name</u> | <u>Size</u> (Acres) | <u>Cause</u> | <u>Status</u> | <u>Location</u> | <u>Remarks</u> |
| | | | | | | |
| | | | | | | |

| WHPD BLM | | | | | | |
|-------------|-----------------|-------------|--------------|---------------|-----------------|----------------|
| <u>Unit</u> | <u>Inc Name</u> | <u>Size</u> | <u>Cause</u> | <u>Status</u> | <u>Location</u> | <u>Remarks</u> |
| | | | | | | |
| | | | | | | |

Area Discussion: One half-acre fire on state land in Weston County

Lightning Map



INDICES (forecasted/actual)

| <u>FDRA</u> | Predicted Today | | |
|----------------|-----------------|-----------------------|-------------------|
| | Indices | Forecasted for 7/6/14 | Actual for 7/5/14 |
| Echeta | BI | 51 | 77 |
| Rochelle Hills | BI | 50 | 79 |
| Rochelle Hills | ERC | 18 | 21 |
| Poker Creek | ERC | 60 | 59 |
| Casper Mtn | ERC | 62 | 62 |
| Fales Rock | BI | 68 | 85 |
| Sandstone | ERC | N/A | 70 |
| Esterbrook | ERC | 56 | 54 |
| Sawmill Park | ERC | 55 | 53 |

Duty Officers for Today:

| | | |
|-----------------------------|---------------|----------------|
| <u>Duty Officers</u> | FS - Laramie | Gonnoud |
| | FS - Saratoga | Hood |
| | FS - Douglas | Rogge |
| | BLM | Ellis |
| | State | Graham |
| | FS – MBF NF | Miller |
| | Dispatch | Adams |

| | | | |
|---|-----------------------|--------------------|--------------|
| Local Aviation Resources | | Location | Status |
| | 2TJ (Duncan) State | Duncan | AVAIL |
| | 2HX (Rawlins) BLM | Out of Zone | COM |
| | | | |
| | | | |

Pumpkin Time for Aircraft for Today:

| | Sunrise | Sunset | Pumpkin Time |
|----------|---------|--------|--------------|
| Gillette | 0425 | 1948 | 2118 |
| Casper | 0434 | 1946 | 2116 |
| Glenrock | 0432 | 1945 | 2115 |
| Laramie | 0436 | 1938 | 2108 |
| | | | |
| | | | |

Fire Restriction for the zone:

[illegible]

Weather Discussion

WYZ280 -
NATRONA COUNTY/CASPER BLM

EXPECT SOMEWHAT HIGHER RELATIVE HUMIDITY AND COOLER TEMPERATURES AFTER THE PASSAGE OF A DRY COLD FRONT. THE MEAGER MOISTURE FROM THE FRONT WILL BE ENOUGH FOR A THUNDERSTORM OR TWO THIS AFTERNOON OVER THE MOUNTAINS BUT COVERAGE WILL BE ISOLATED AT BEST. ANOTHER COLD FRONT ARRIVES ON MONDAY...THIS ONE WILL HAVE A BIT MORE MOISTURE TO WORK WITH AND IT WILL REMAIN IN THE AREA THROUGH AT LEAST MID WEEK WITH A CHANCE FOR THUNDERSTORMS EACH AFTERNOON.

...THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS...
...HAINES INDEX IS HIGH LEVEL HAINES BOTH DAY AND NIGHT...

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.
MAX TEMPERATURE.....87-92.
24 HR TREND.....4 DEGREES COOLER.
MIN HUMIDITY.....11-17 PERCENT.
24 HR TREND.....4 PERCENT WETTER.
20-FOOT WINDS.....UPSLOPE/UPVALLEY 5-9 MPH UNTIL 1500...THEN
NORTHWEST AROUND 10 MPH.
RIDGE TOP WINDS.....NORTHWEST 5 TO 10 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTHWEST 10 TO 15 MPH.
MIXING HEIGHT.....2000-4500 FT AGL UNTIL 1200...THEN 6500-9000 FT
AGL.
SMOKE DISPERSAL.....POOR (16000-36000 KNOT-FT) UNTIL 1200...THEN
GOOD (70000-90000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.
MIN TEMPERATURE.....55-60.
24 HR TREND.....1 DEGREE COOLER.
MAX HUMIDITY.....64-70 PERCENT.
24 HR TREND.....6 PERCENT WETTER.
HUMIDITY RECOVERY...GOOD.
20-FOOT WINDS.....NORTH WINDS 10 TO 15 MPH AND GUSTY UNTIL
0300...THEN DOWNSLOPE/DOWNVALLEY 4-7 MPH.
RIDGE TOP WINDS.....NORTH AROUND 15 MPH UNTIL 0300...THEN AROUND 5
MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTH 15 TO 20 MPH UNTIL 0300...THEN AROUND 10
MPH.
MIXING HEIGHT.....7000-9500 FT AGL UNTIL 2400...THEN 3000-5500 FT
AGL.
SMOKE DISPERSAL.....GOOD TO VERY GOOD (94000-114000 KNOT-FT) UNTIL
2400...THEN FAIR TO GOOD (42000-62000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

Weather Discussion

WYZ301 -
NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL
GRASSLAND

HOT AND DRY CONDITIONS WILL PERSIST THROUGH TUESDAY. AREAS ALONG AND WEST OF THE LARAMIE RANGE WILL SEE AFTERNOON RELATIVE HUMIDITIES OF 10 TO 15 PERCENT...HOWEVER SURFACE WINDS WILL REMAIN BELOW CRITICAL THRESHOLDS THROUGH EARLY NEXT WEEK. A WEAK COLD FRONT WILL DROP INTO THE HIGH PLAINS OF SOUTHEAST WY AND THE WESTERN NE PANHANDLE ON SUN AFTERNOON...BRINGING SLIGHTLY COOLER TEMPERATURES AND A WIND SHIFT OUT OF THE NORTHEAST. SHOWERS AND THUNDERSTORMS ARE POSSIBLE OVER THE HIGHER ELEVATIONS EACH DAY THROUGH TUE...WITH MORE WIDESPREAD ACTIVITY EXPECTED OVER THE PLAINS ON MON AFTERNOON AND EVENING. A FEW OF THOSE STORMS COULD BE STRONG TO SEVERE WITH HAIL AND STRONG WINDS THE MAIN HAZARDS.

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.
MAX TEMPERATURE.....88-93.
 24 HR TREND.....8 DEGREES COOLER.
MIN HUMIDITY.....16-22 PERCENT.
 24 HR TREND.....10 PERCENT WETTER.
20-FOOT WINDS.....NORTHEAST AROUND 10 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTH AROUND 10 MPH.
MIXING HEIGHT.....4300-4900 FT AGL INCREASING TO 9300-10600 FT
 AGL IN THE AFTERNOON.
SMOKE DISPERSAL.....POOR TO GOOD (32900-72300 KNOT-FT).
HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED
 FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....58-63.
 24 HR TREND.....3 DEGREES WARMER.
MAX HUMIDITY.....71-77 PERCENT.
 24 HR TREND.....16 PERCENT WETTER.
HUMIDITY RECOVERY...GOOD.
20-FOOT WINDS.....EAST AROUND 10 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....EAST 5 TO 10 MPH.
MIXING HEIGHT.....4900-5500 FT AGL DECREASING TO 300 FT AGL AFTER
 MIDNIGHT.
SMOKE DISPERSAL.....POOR TO FAIR (1300-43900 KNOT-FT).
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME
 DOMINATED FIRE GROWTH.

Weather Discussion

WYZ307 -
SNOWY RANGE/MEDICINE BOW NF

HOT AND DRY CONDITIONS WILL PERSIST THROUGH TUESDAY. AREAS ALONG AND WEST OF THE LARAMIE RANGE WILL SEE AFTERNOON RELATIVE HUMIDITIES OF 10 TO 15 PERCENT...HOWEVER SURFACE WINDS WILL REMAIN BELOW CRITICAL THRESHOLDS THROUGH EARLY NEXT WEEK. A WEAK COLD FRONT WILL DROP INTO THE HIGH PLAINS OF SOUTHEAST WY AND THE WESTERN NE PANHANDLE ON SUN AFTERNOON...BRINGING SLIGHTLY COOLER TEMPERATURES AND A WIND SHIFT OUT OF THE NORTHEAST. SHOWERS AND THUNDERSTORMS ARE POSSIBLE OVER THE HIGHER ELEVATIONS EACH DAY THROUGH TUE...WITH MORE WIDESPREAD ACTIVITY EXPECTED OVER THE PLAINS ON MON AFTERNOON AND EVENING. A FEW OF THOSE STORMS COULD BE STRONG TO SEVERE WITH HAIL AND STRONG WINDS THE MAIN HAZARDS.

. TODAY . . .

SKY/WEATHER.....MOSTLY SUNNY UNTIL 1500...THEN PARTLY CLOUDY.
SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS
AFTER 1500.

MAX TEMPERATURE.....75-81.
24 HR TREND.....UNCHANGED.

MIN HUMIDITY.....12-18 PERCENT.
24 HR TREND.....2 PERCENT DRIER.

20-FOOT WINDS.....NORTHWEST AROUND 10 MPH.

LAL.....1 UNTIL 1200...THEN 2.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....NORTHWEST 10 TO 15 MPH.

MIXING HEIGHT.....5000-5800 FT AGL INCREASING TO 10000-11600 FT
AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....FAIR (51600 KNOT-FT) INCREASING TO VERY GOOD
(122100 KNOT-FT) IN THE AFTERNOON.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS AND
THUNDERSTORMS UNTIL 2100.
MIN TEMPERATURE.....47-52.
24 HR TREND.....2 DEGREES COOLER.
MAX HUMIDITY.....57-63 PERCENT.
24 HR TREND.....9 PERCENT WETTER.
HUMIDITY RECOVERY...FAIR.
20-FOOT WINDS.....WEST AROUND 10 MPH SHIFTING TO THE SOUTHWEST
AFTER MIDNIGHT.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....SOUTHWEST AROUND 10 MPH.
MIXING HEIGHT.....5100-6000 FT AGL DECREASING TO 200-700 FT AGL
AFTER MIDNIGHT.
SMOKE DISPERSAL.....POOR TO FAIR (4400-48400 KNOT-FT).
HAINES INDEX.....6 OR HIGH POTENTIAL FOR LARGE PLUME DOMINATED
FIRE GROWTH.